

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081849.D
 Acq On : 25 Apr 2024 14:31
 Operator : JC\MD
 Sample : VN0425MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBL01

Quant Time: Apr 26 05:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

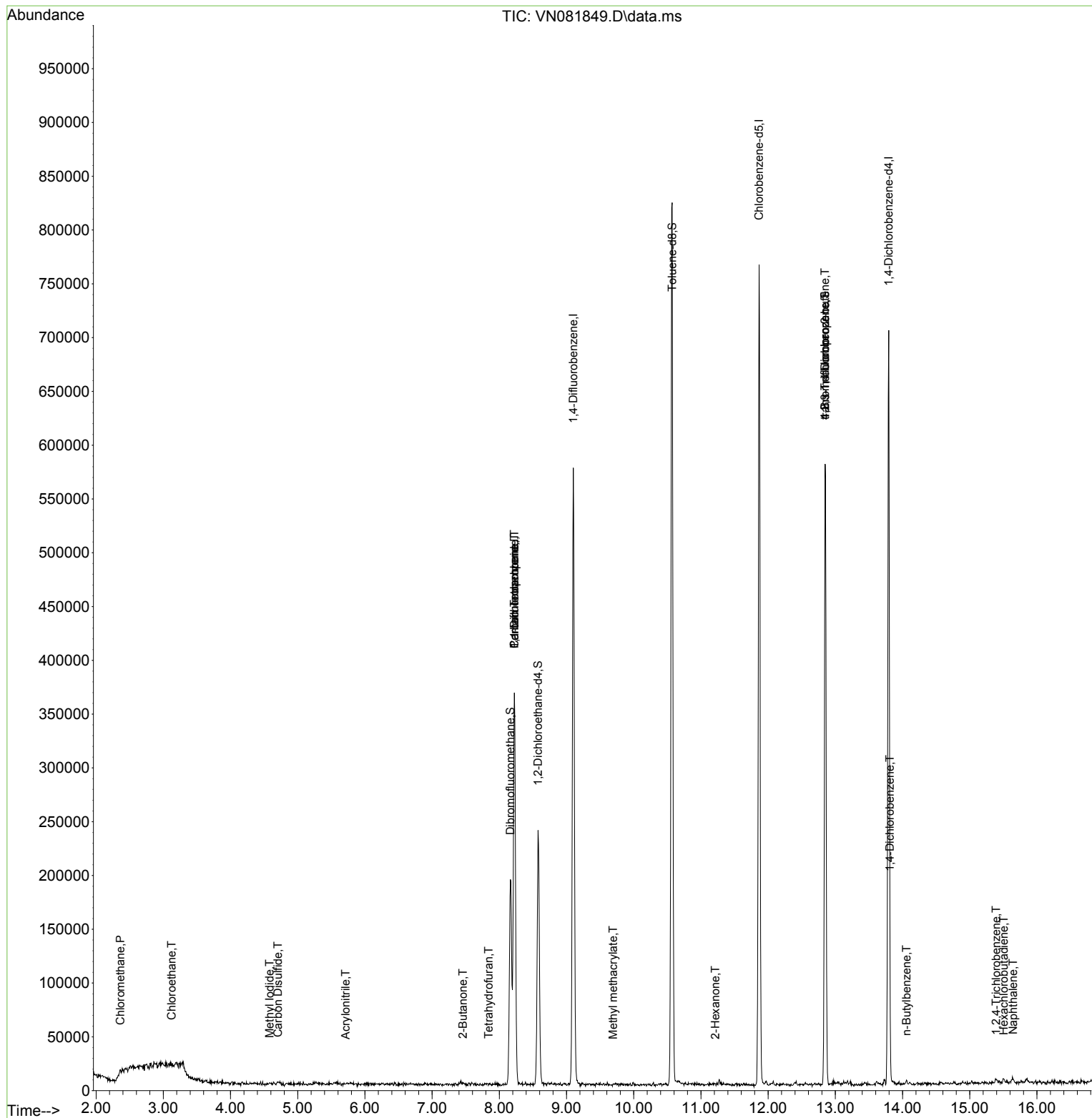
Internal Standards						
1) Pentafluorobenzene	8.224	168	247312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	399074	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	194204	46.527	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	93.060%	
35) Dibromofluoromethane	8.165	113	136301	49.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	98.060%	
50) Toluene-d8	10.571	98	562058	51.484	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	102.960%	
62) 4-Bromofluorobenzene	12.847	95	216173	50.091	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	=	100.180%	
Target Compounds			Qvalue			
3) Chloromethane	2.360	50	822	0.227	ug/l #	43
5) Bromomethane	2.948	94	179	Below Cal	#	43
6) Chloroethane	3.124	64	348	0.210	ug/l #	1
10) Methyl Iodide	4.583	142	606	0.235	ug/l #	80
13) Acrolein	4.165	56	254	Below Cal	#	1
15) Acrylonitrile	5.712	53	680	0.373	ug/l #	46
16) Acetone	4.442	43	496	Below Cal	#	43
17) Carbon Disulfide	4.706	76	1981	0.220	ug/l #	74
25) 2-Butanone	7.459	43	996	0.420	ug/l #	43
29) Tetrahydrofuran	7.841	42	825	0.486	ug/l #	60
36) 1,1-Dichloropropene	8.224	75	24534	5.425	ug/l #	50
38) Carbon Tetrachloride	8.224	117	27653	6.257	ug/l #	16
48) Methyl methacrylate	9.694	41	1078	0.246	ug/l #	27
59) 2-Hexanone	11.212	43	1030	0.267	ug/l	72
76) 1,2,3-Trichloropropane	12.847	75	119964	27.583	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	119964	56.520	ug/l #	12
88) 1,4-Dichlorobenzene	13.812	146	1226	0.214	ug/l #	1
89) n-Butylbenzene	14.059	91	2802	0.253	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	737	0.236	ug/l #	51
94) Hexachlorobutadiene	15.506	225	740	0.643	ug/l #	75
95) Naphthalene	15.647	128	4228	0.358	ug/l #	82

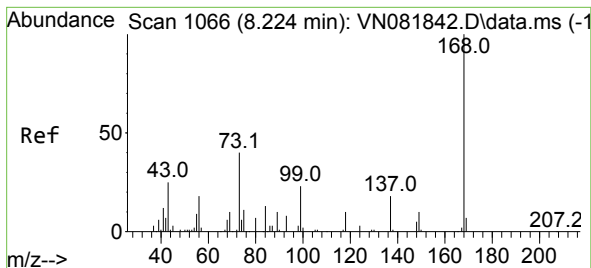
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

Instrument :

MSVOA_N

ClientSampleId :

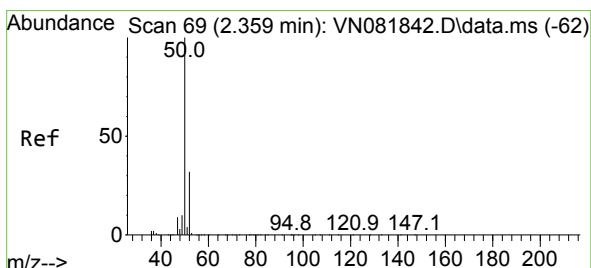
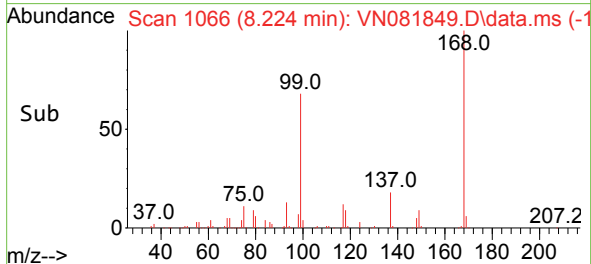
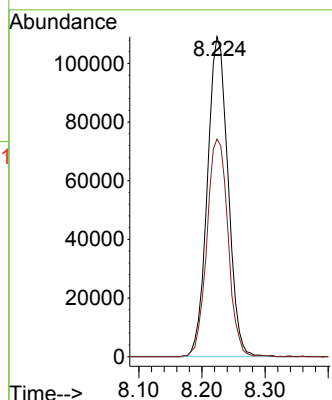
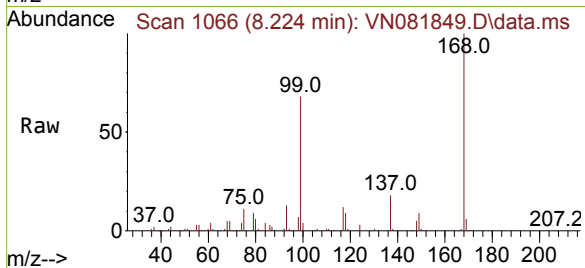
VN0425MBL01

Tgt Ion:168 Resp: 247312

Ion Ratio Lower Upper

168 100

99 68.0 48.2 72.4



#3

Chloromethane

Concen: 0.227 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081849.D

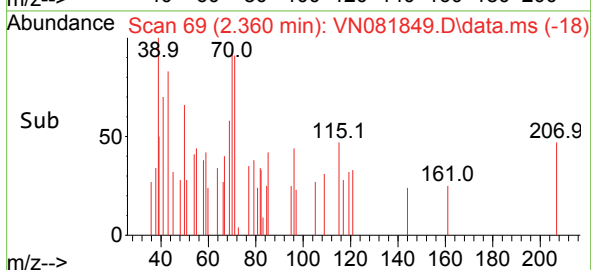
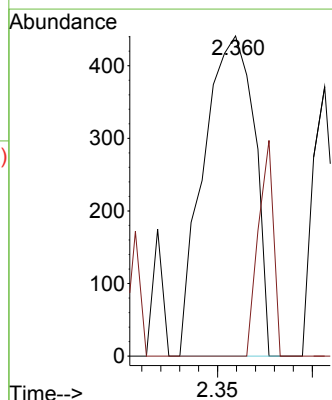
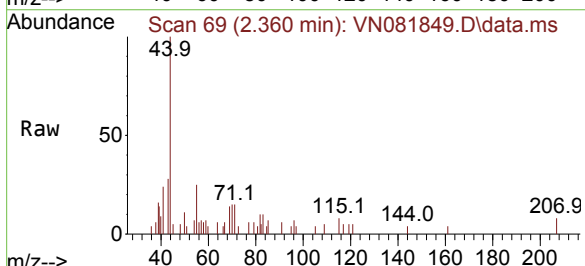
Acq: 25 Apr 2024 14:31

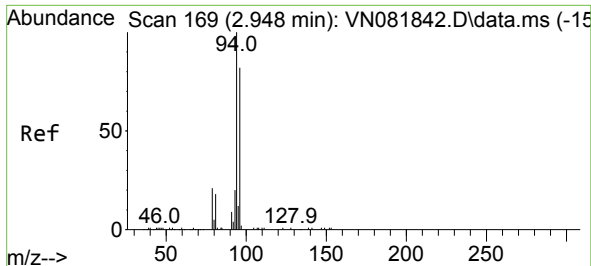
Tgt Ion: 50 Resp: 822

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

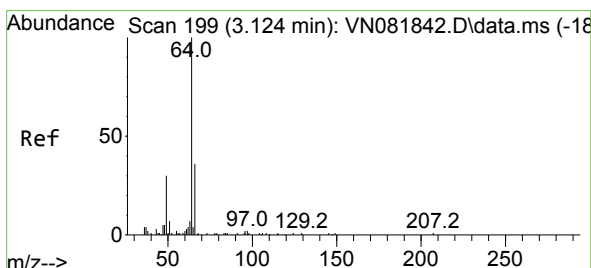
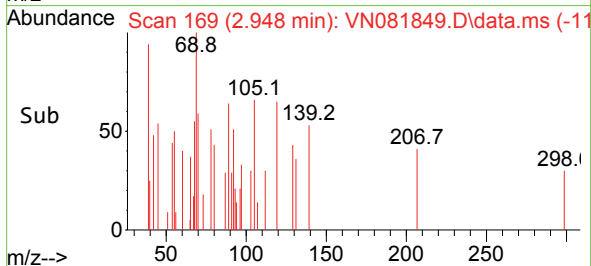
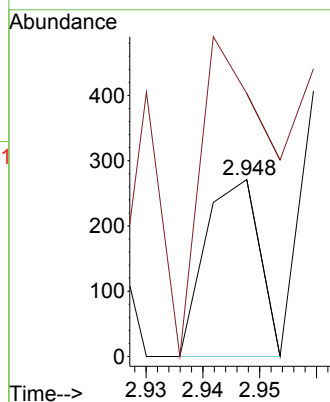
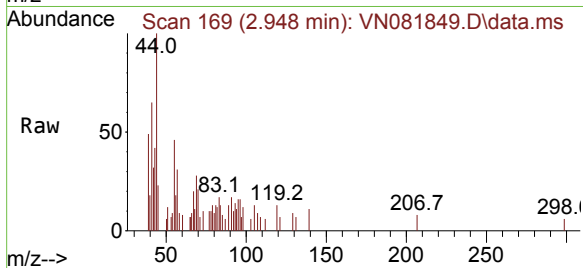




#5
Bromomethane
Concen: Below Cal
RT: 2.948 min Scan# 169
Delta R.T. -0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

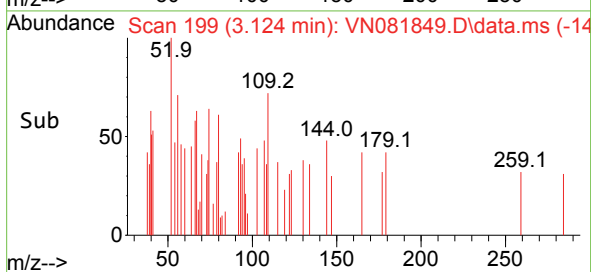
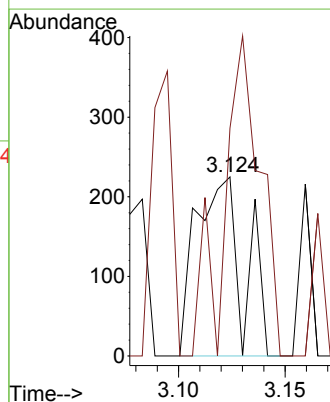
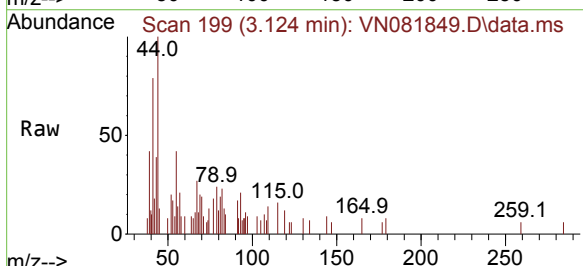
Instrument :
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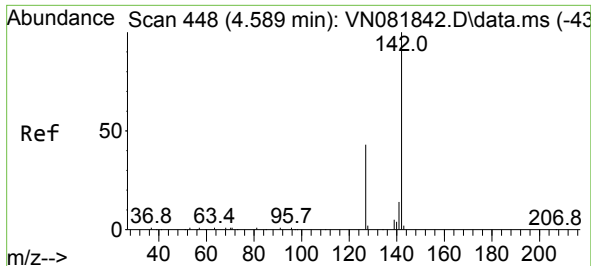
Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 148.7 74.8 112.2#



#6
Chloroethane
Concen: 0.210 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 64 Resp: 348
Ion Ratio Lower Upper
64 100
66 127.1 24.7 37.1#

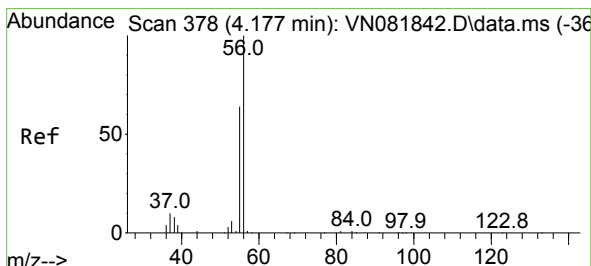
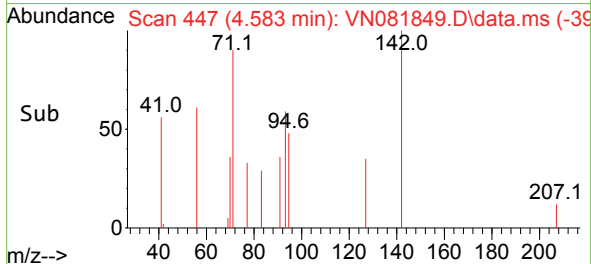
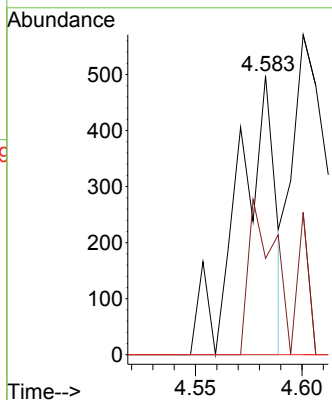
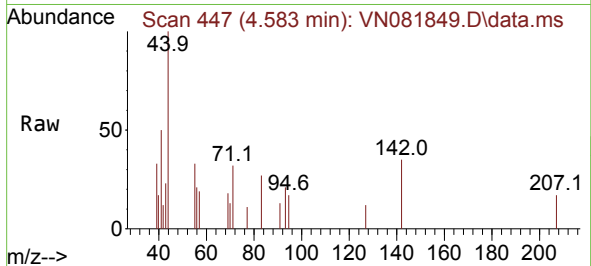




#10
Methyl Iodide
Concen: 0.235 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

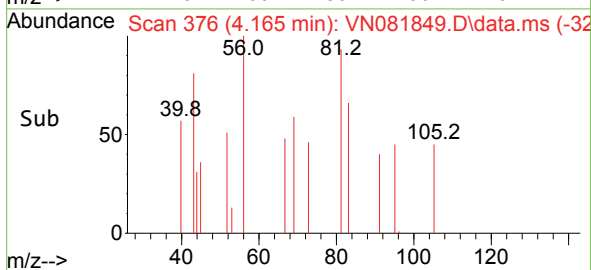
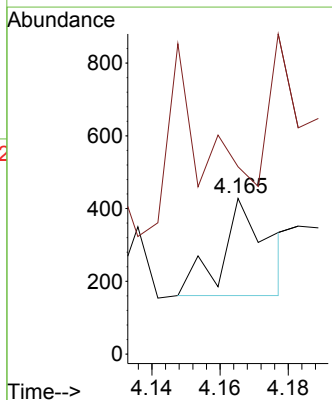
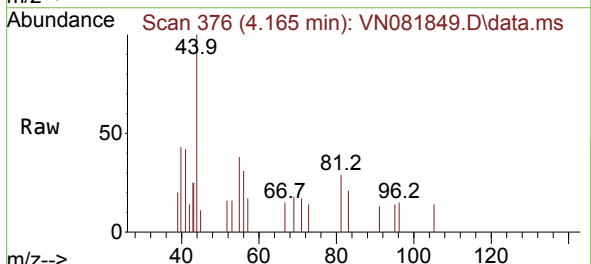
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

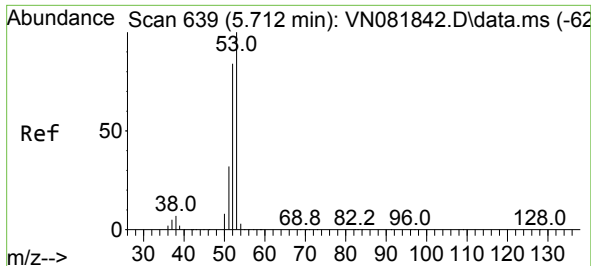
Tgt Ion:142 Resp: 606
Ion Ratio Lower Upper
142 100
127 34.5 35.8 53.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: Below Cal
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 211.8 55.8 83.8#

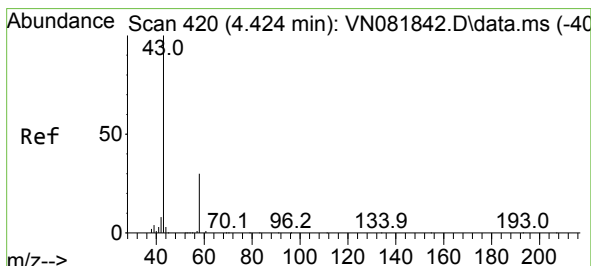
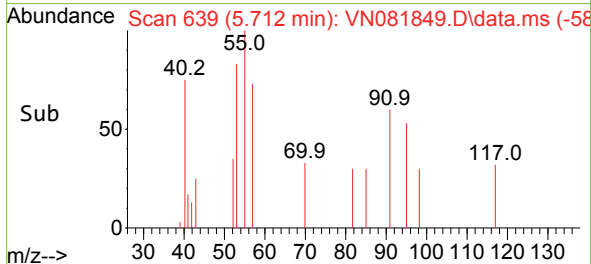
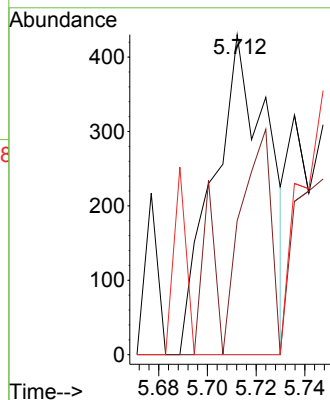
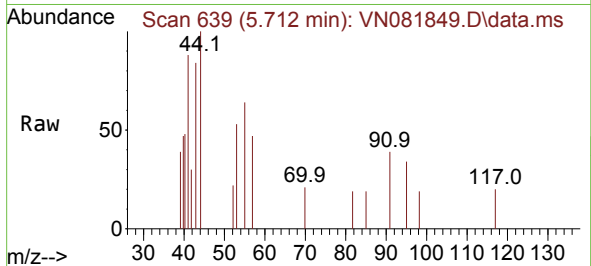




#15
Acrylonitrile
Concen: 0.373 ug/l
RT: 5.712 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

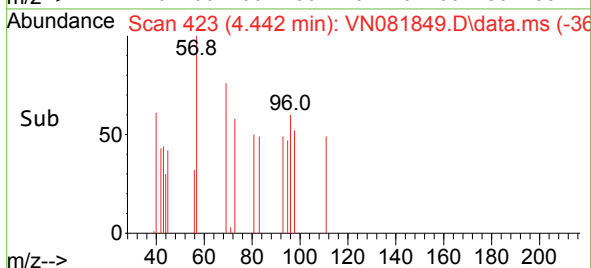
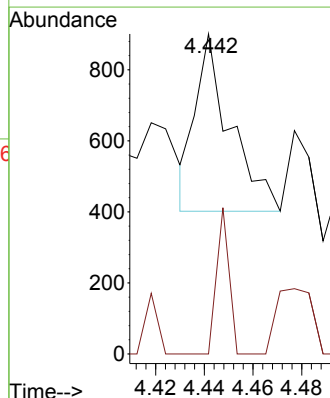
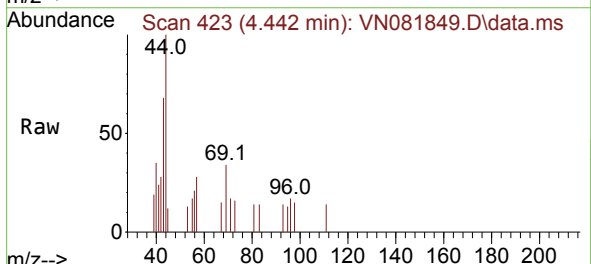
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

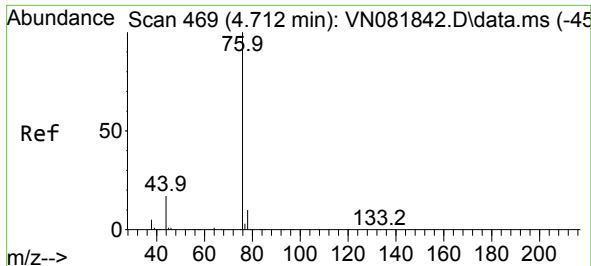
Tgt Ion: 53 Resp: 680
Ion Ratio Lower Upper
53 100
52 37.8 66.1 99.1#
51 0.0 29.4 44.2#



#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

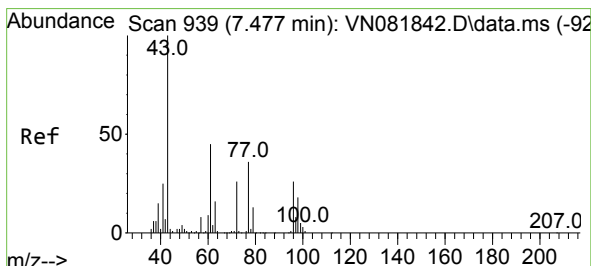
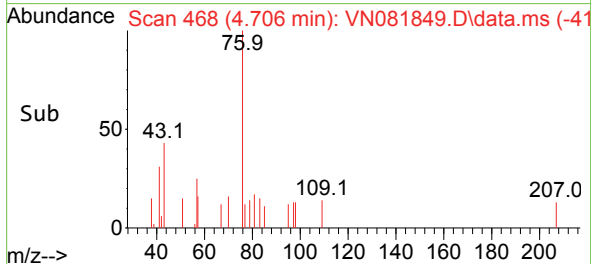
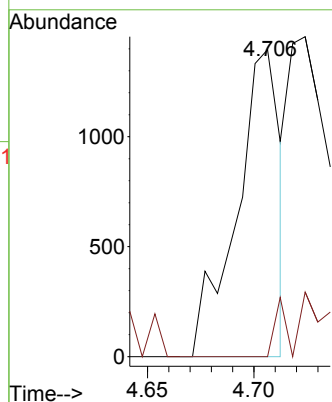
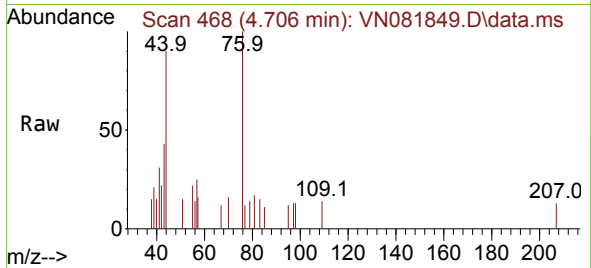




#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

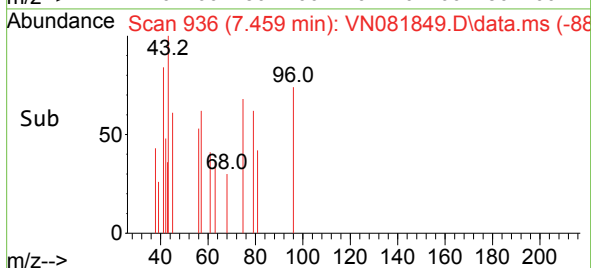
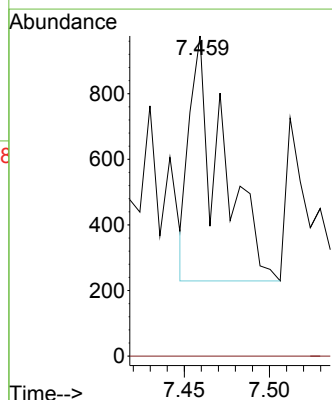
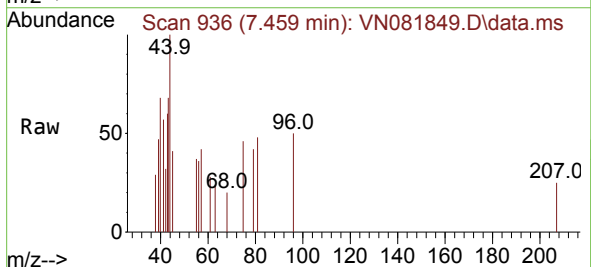
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

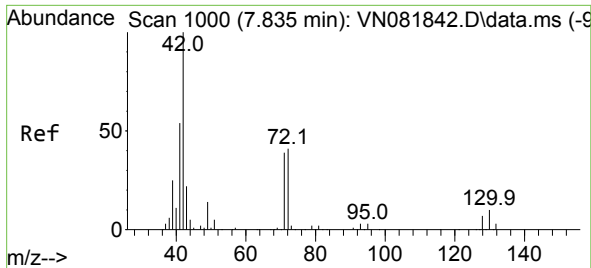
Tgt Ion: 76 Resp: 1981
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#25
2-Butanone
Concen: 0.420 ug/l
RT: 7.459 min Scan# 936
Delta R.T. -0.017 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.486 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBL01

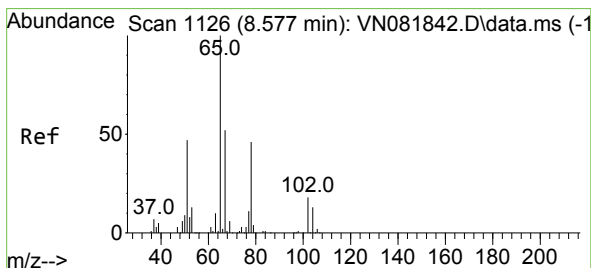
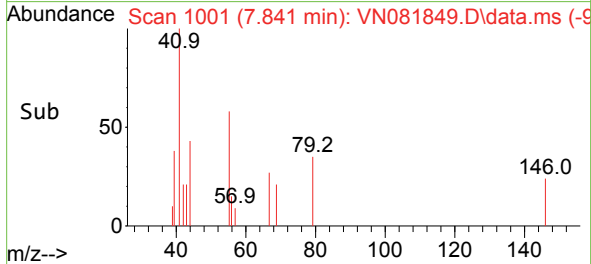
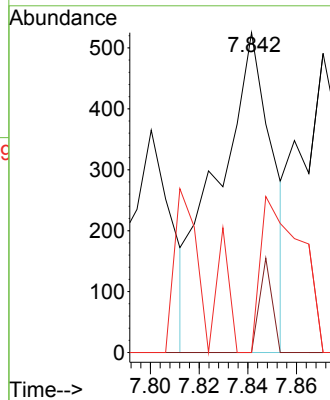
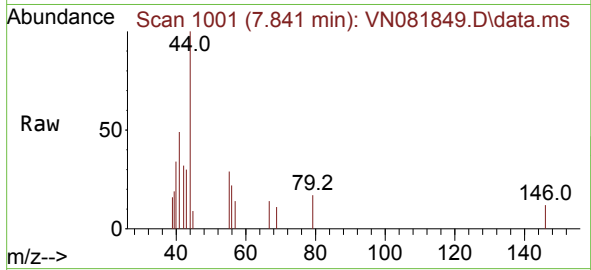
Tgt Ion: 42 Resp: 825

Ion Ratio Lower Upper

42 100

72 6.7 39.3 58.9#

71 35.6 37.4 56.0#



#33

1,2-Dichloroethane-d4

Concen: 46.527 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081849.D

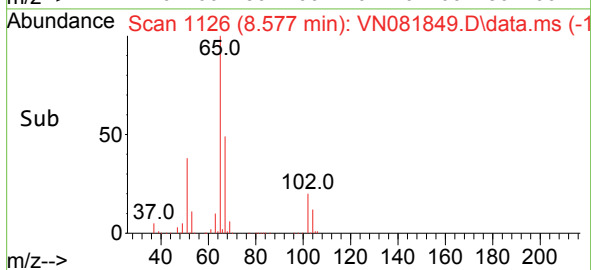
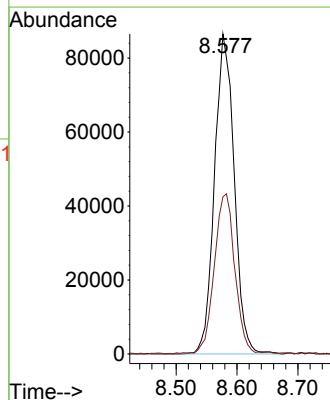
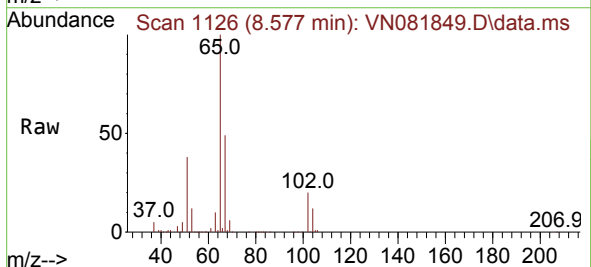
Acq: 25 Apr 2024 14:31

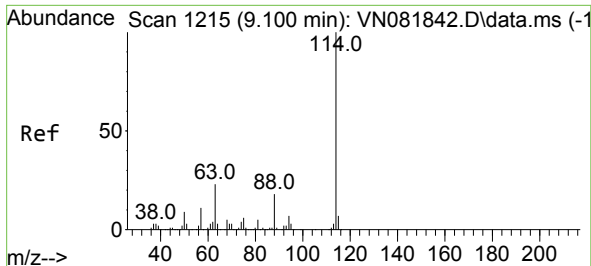
Tgt Ion: 65 Resp: 194204

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

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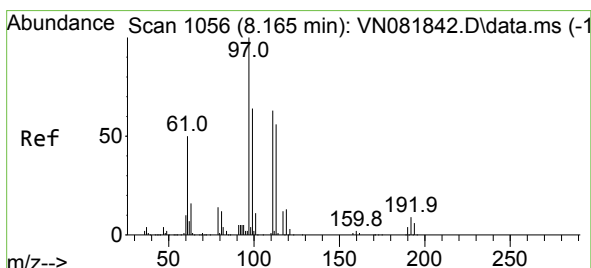
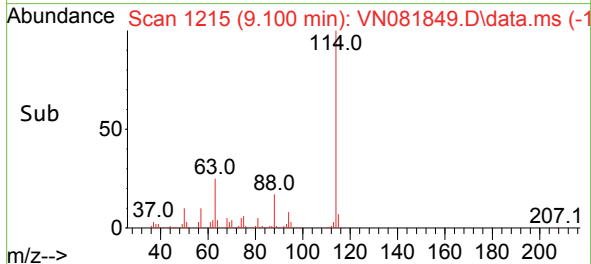
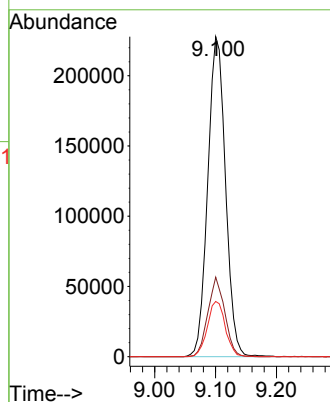
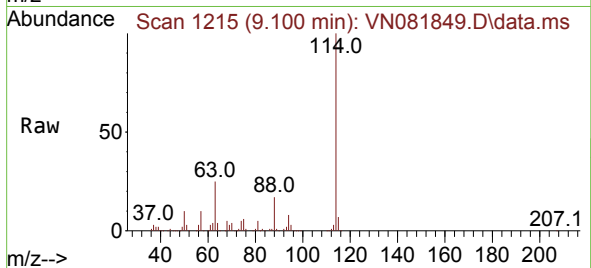
Tgt Ion:114 Resp: 461677

Ion Ratio Lower Upper

114 100

63 24.8 0.0 41.0

88 17.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.035 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

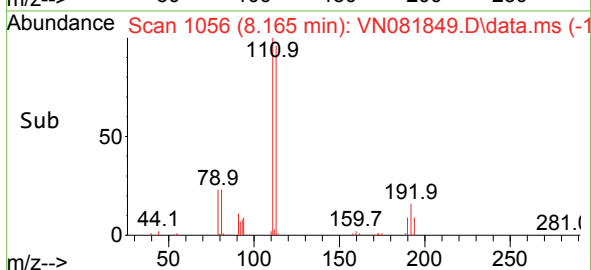
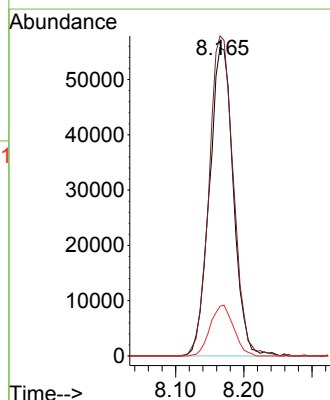
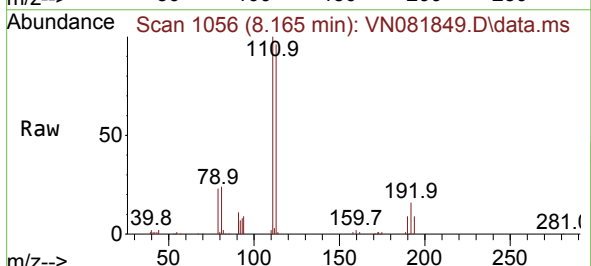
Tgt Ion:113 Resp: 136301

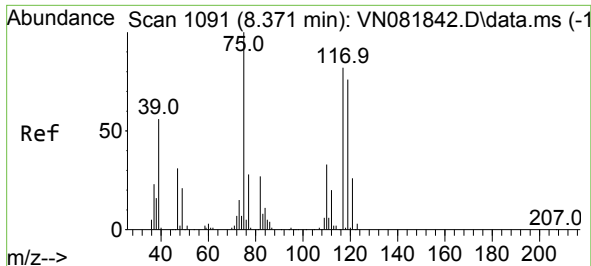
Ion Ratio Lower Upper

113 100

111 105.3 83.4 125.2

192 16.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.425 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBL01

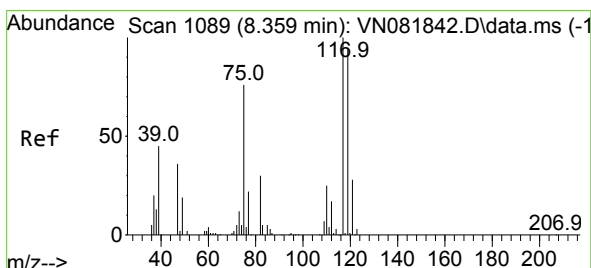
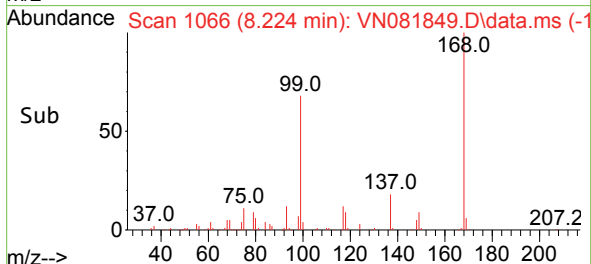
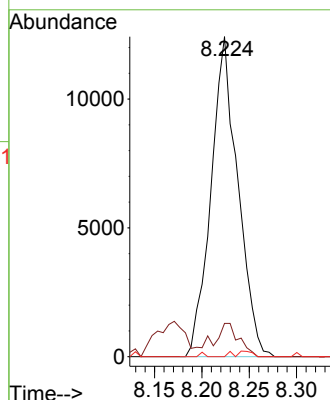
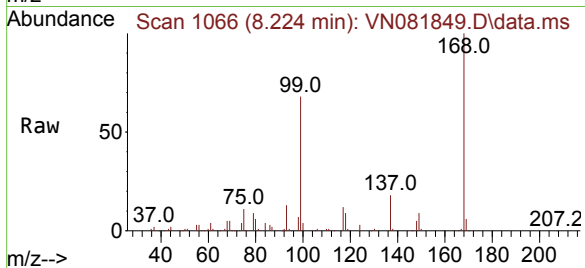
Tgt Ion: 75 Resp: 24534

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 1.1 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081849.D

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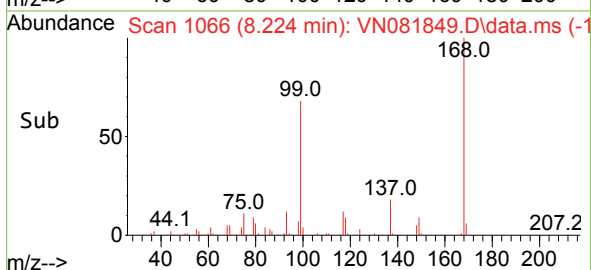
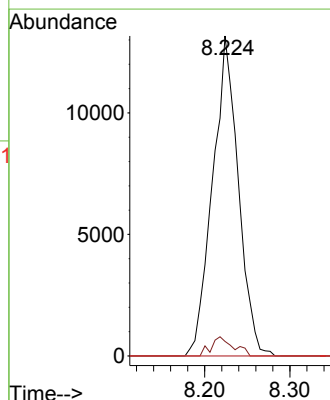
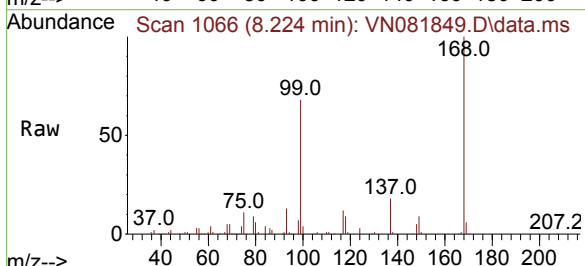
Tgt Ion: 117 Resp: 27653

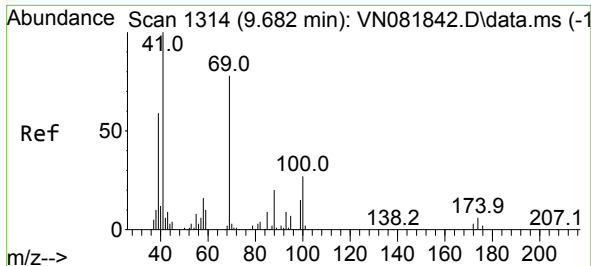
Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

121 0.0 23.9 35.9#

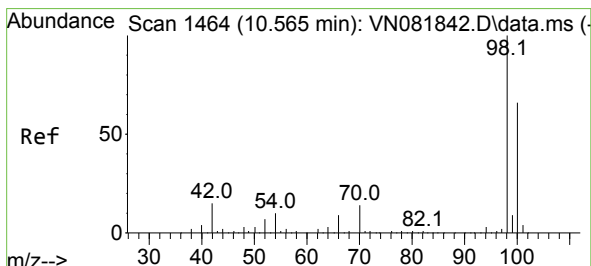
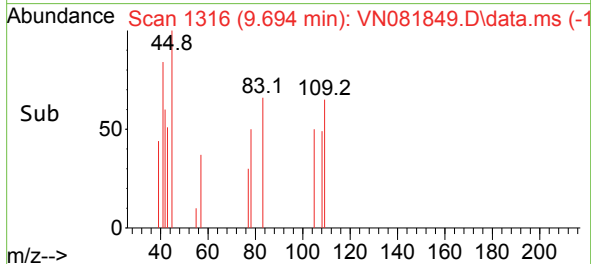
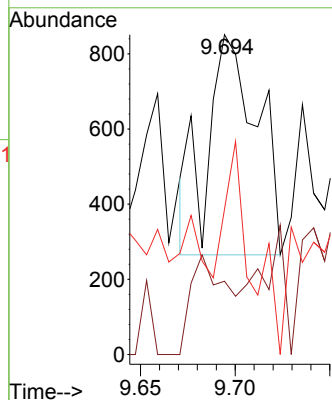
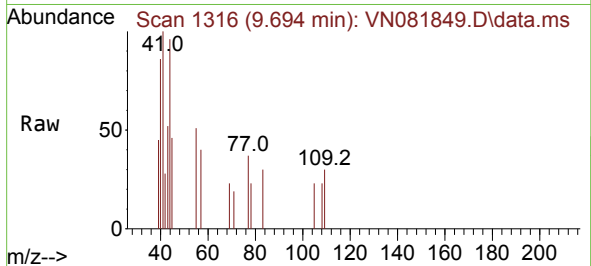




#48
Methyl methacrylate
Concen: 0.246 ug/l
RT: 9.694 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

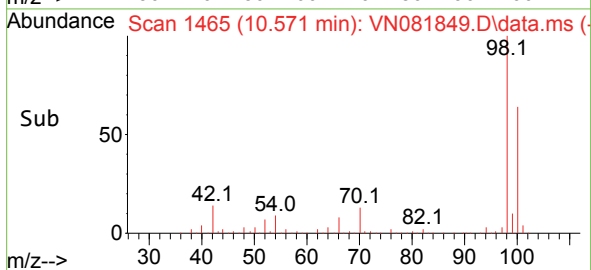
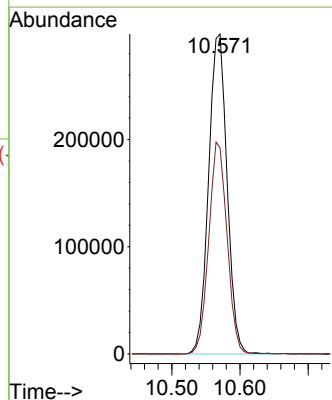
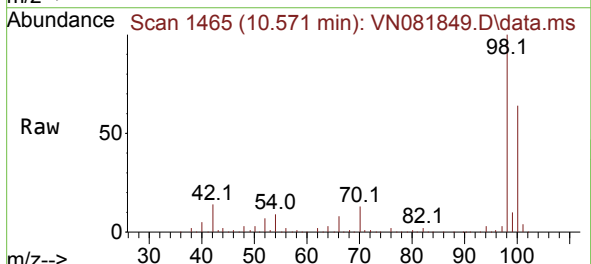
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

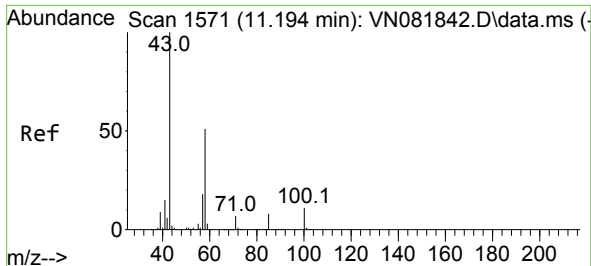
Tgt Ion: 41 Resp: 1078
Ion Ratio Lower Upper
41 100
69 13.2 77.9 116.9#
39 22.5 50.9 76.3#



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 98 Resp: 562058
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6

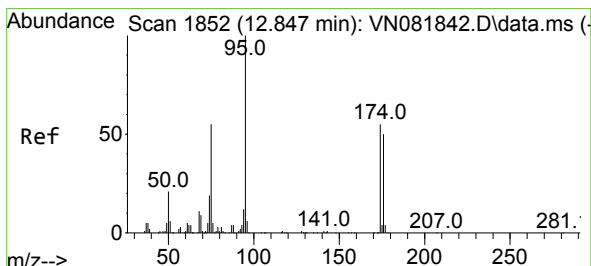
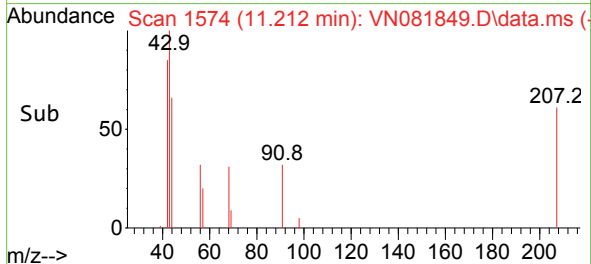
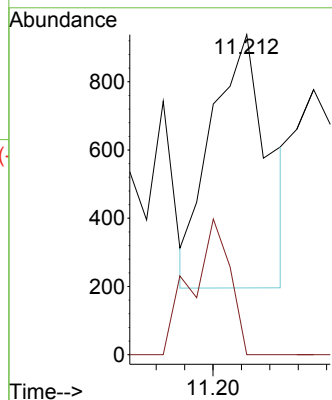
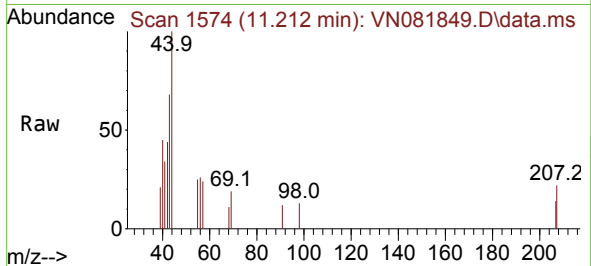




#59
2-Hexanone
Concen: 0.267 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.018 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

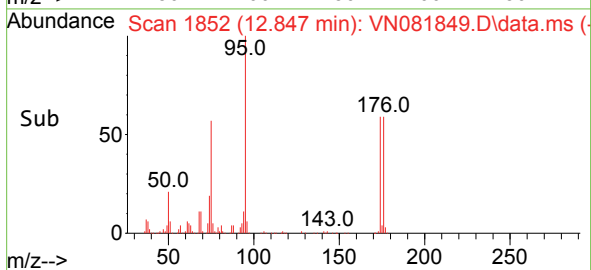
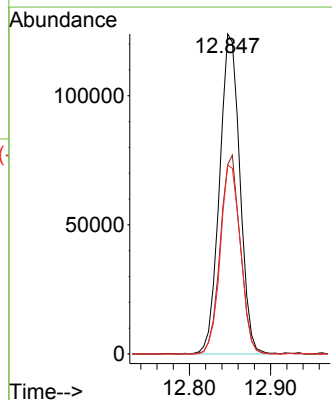
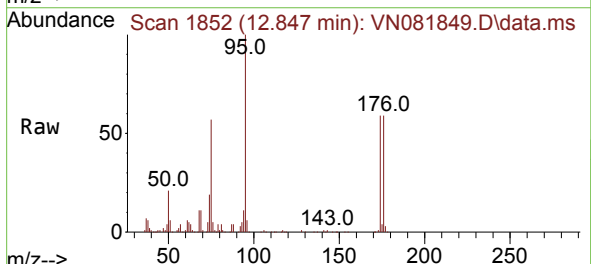
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MSVOA_N
ClientSampleId :
VN0425MBL01

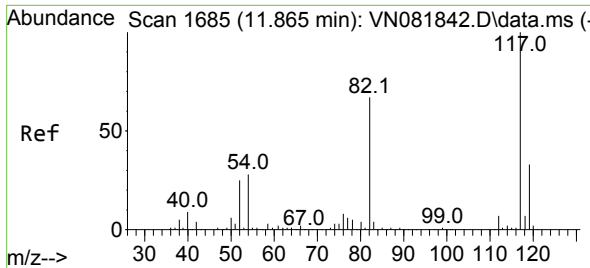
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 36.1 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 50.091 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 95 Resp: 216173
Ion Ratio Lower Upper
95 100
174 61.0 0.0 160.6
176 58.7 0.0 152.8

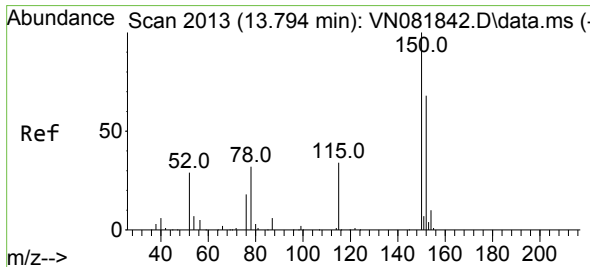
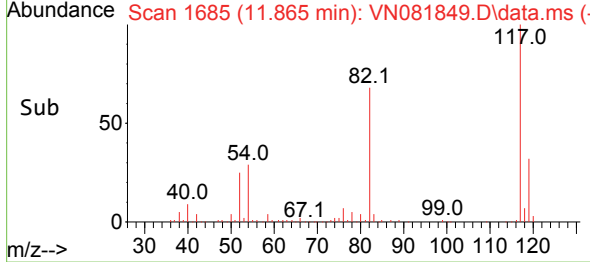
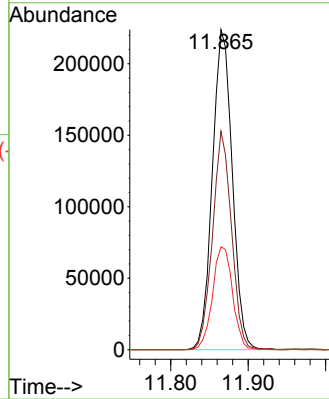
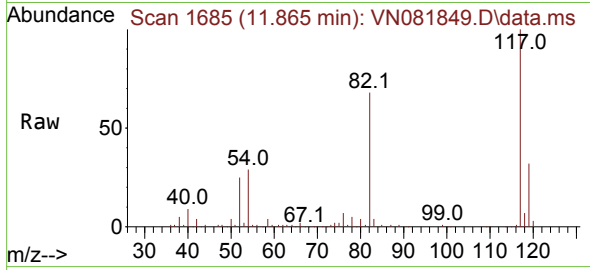




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

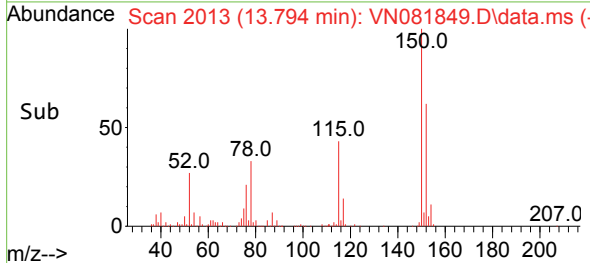
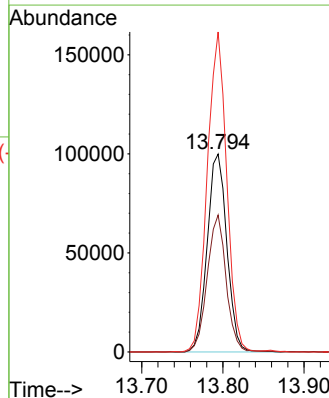
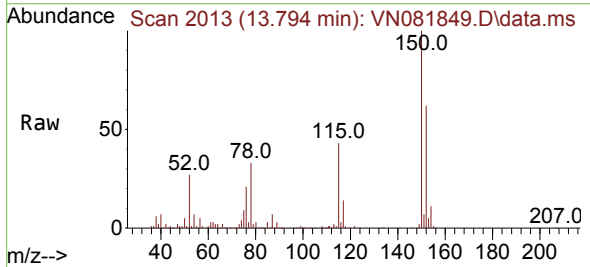
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

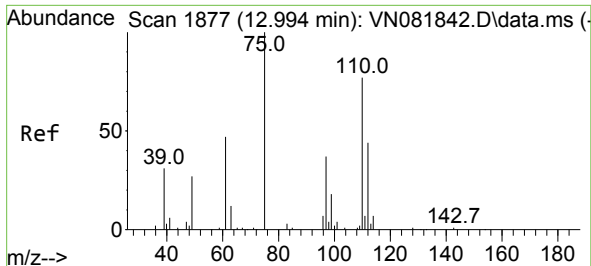
Tgt Ion:117 Resp: 399074
Ion Ratio Lower Upper
117 100
82 68.2 44.6 66.8#
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion:152 Resp: 167745
Ion Ratio Lower Upper
152 100
115 66.8 30.4 91.3
150 159.6 0.0 353.2

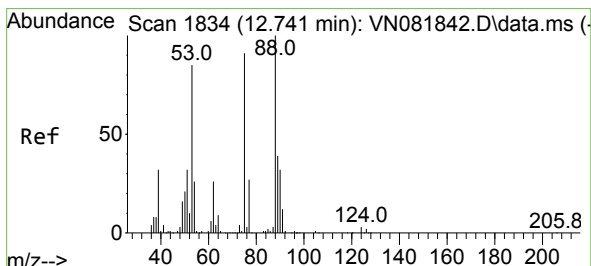
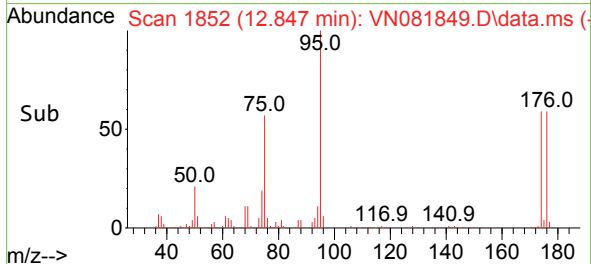
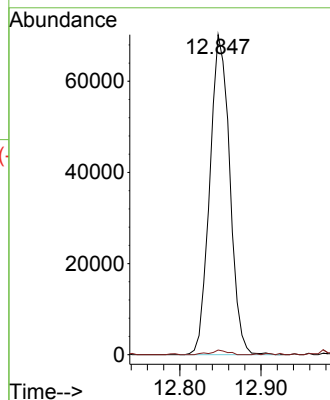
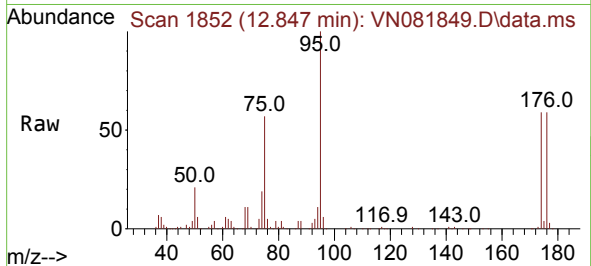




#76
1,2,3-Trichloropropane
Concen: 27.583 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

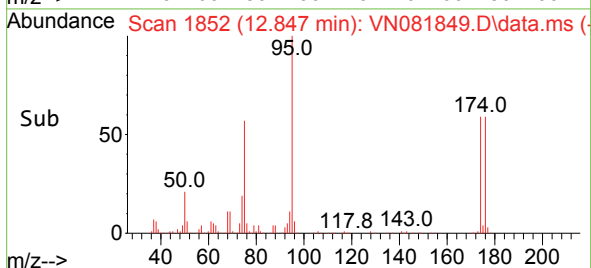
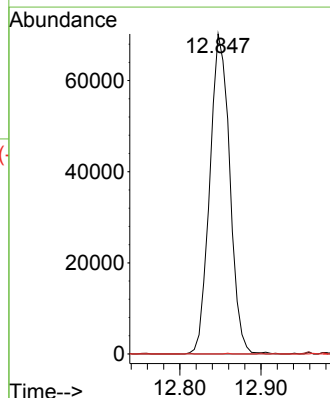
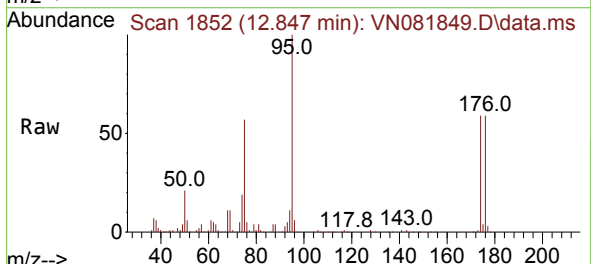
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

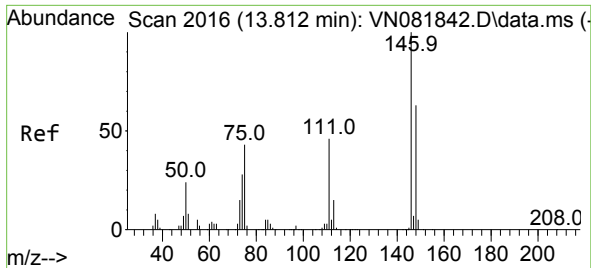
Tgt Ion: 75 Resp: 119964
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.520 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 75 Resp: 119964
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

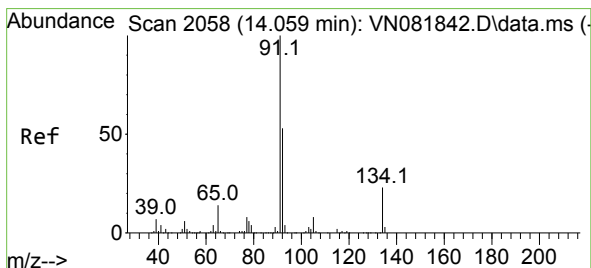
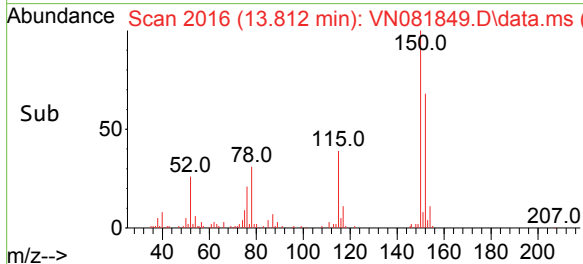
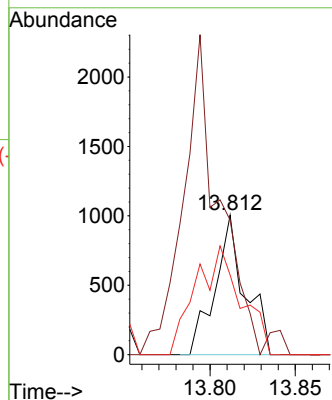
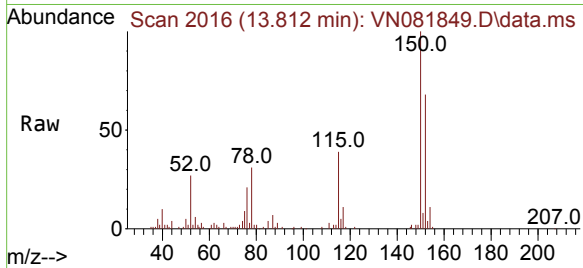




#88
1,4-Dichlorobenzene
Concen: 0.214 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

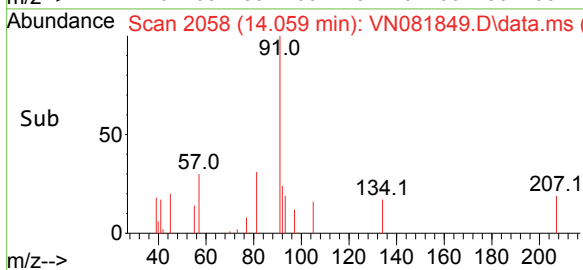
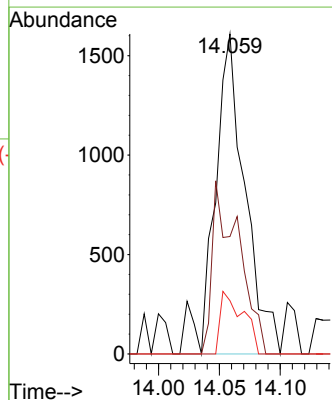
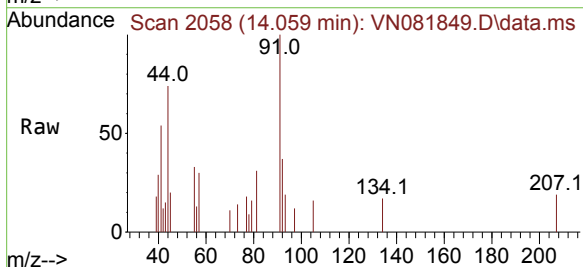
Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

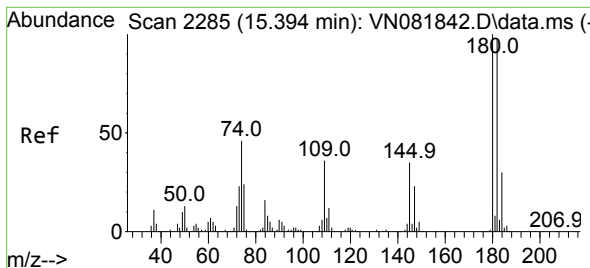
Tgt Ion:146 Resp: 1226
Ion Ratio Lower Upper
146 100
111 283.7 19.3 57.9#
148 118.1 31.3 93.9#



#89
n-Butylbenzene
Concen: 0.253 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Tgt Ion: 91 Resp: 2802
Ion Ratio Lower Upper
91 100
92 47.0 26.2 78.5
134 14.6 13.2 39.5





#93

1,2,4-Trichlorobenzene

Concen: 0.236 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN081849.D

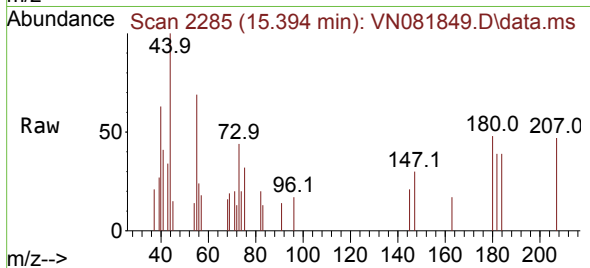
Acq: 25 Apr 2024 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBL01



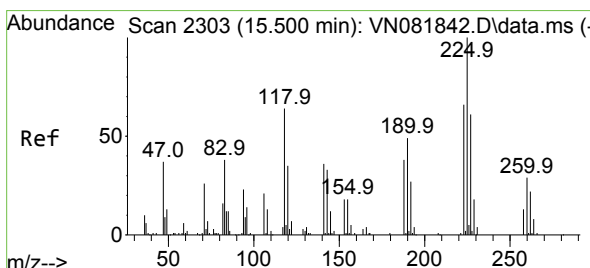
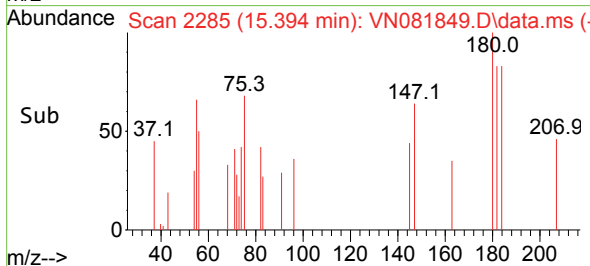
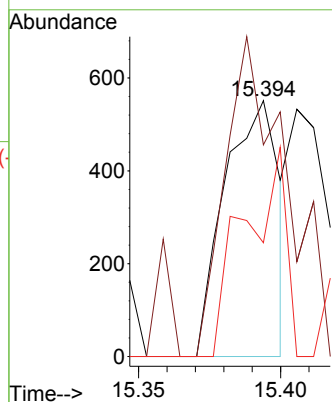
Tgt Ion:180 Resp: 737

Ion Ratio Lower Upper

180 100

182 139.5 46.7 140.0

145 61.9 16.2 48.6#



#94

Hexachlorobutadiene

Concen: 0.643 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN081849.D

Acq: 25 Apr 2024 14:31

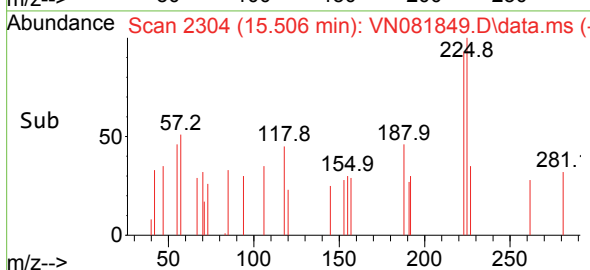
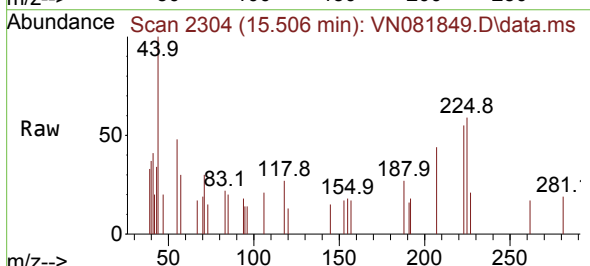
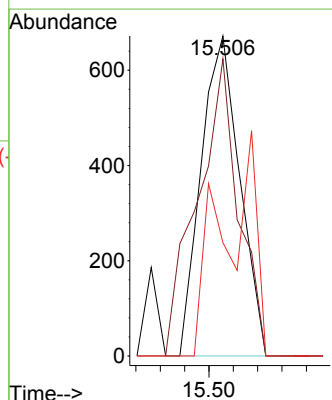
Tgt Ion:225 Resp: 740

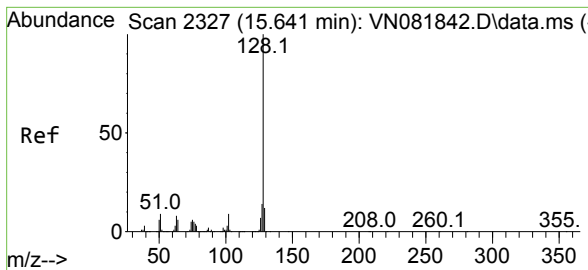
Ion Ratio Lower Upper

225 100

223 98.5 31.1 93.2#

227 59.7 30.6 91.6





#95
Naphthalene
Concen: 0.358 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081849.D
Acq: 25 Apr 2024 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBL01

Tgt Ion:	128	Resp:	4228
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.1	15.1#
129	0.0	8.9	13.3#

